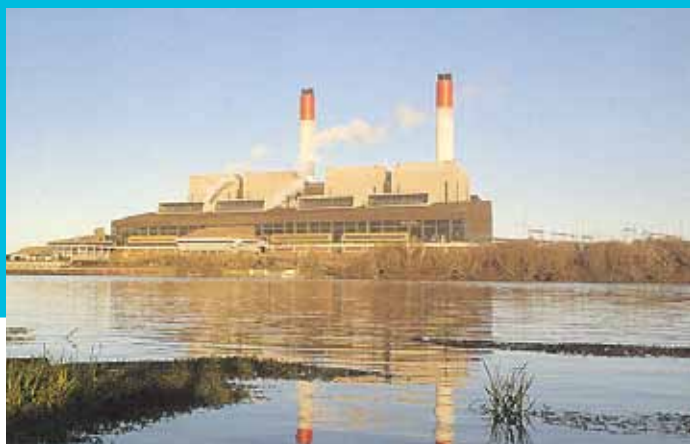


# Huntly Power Station

## New Zealand

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### Case Study



#### THE CUSTOMER

New Zealand's largest thermal power station is operated by Genesis Power, in Huntly. It generates 1,000 megawatts of electricity from coal and gas.

#### SITUATION

The power plant had operated four separate radio systems and coverage had been poor because of the types of buildings on site.

#### RESPONSE

A single TaitNet TN1100 site is now providing coverage around the 175 acre plant, along a 1.8 mile overland coal conveyer, and to ash ponds north of the plant.

Twenty-six Intrinsically Safe Tait portables are used on the system along with five Tait mobiles. One of the mobiles features dual control-heads, enabling staff on opposite sides of a control desk to operate it easily.

Two T1810 channel controllers (each capable of managing four channels) provide the system intelligence. The business may implement telephone interconnection in the future, which is possible with the TN1100.

**“A key advantage of the new system is the ability for different work-groups to communicate with one another. The new system is performing above expectations and we have coverage in some areas where we hadn't in the past.”**

Steve Wong  
Genesis Engineer

## OUTCOME

The new system allows the five different work-groups at the plant to communicate with each other and features an emergency-call option.

The old systems were voice only, while the new system provides data and PABX features as well as backup power and duplicated audio linking.

Tait and Genesis are also looking at extending the radio coverage to areas like the underground power-cable tunnels at the plant and the TN1100 system to support future expansion.

## MORE INFORMATION

For news, product specifications, comprehensive technical information and contact details of your nearest Tait service facility, please visit [www.taitradio.com](http://www.taitradio.com)

## CUSTOMER PROFILE

New Zealand's largest thermal power station.

## APPLICATIONS

- ▶ TaitNet MPT 1327 system

## BUSINESS BENEFITS

- ▶ Increased coverage across the plant
- ▶ High audio quality
- ▶ Improved communications
- ▶ Emergency channel
- ▶ Adapted to suit plant's needs
- ▶ Able to be upgraded in the future to link with the telephone network

## PRODUCTS USED

- ▶ TaitNet TN1100 MPT trunked radio system
- ▶ 26 Intrinsically Safe portable radios
- ▶ Five mobile radios

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Tait is a global leader in designing, delivering and managing innovative communication solutions that help utilities and public safety organizations to keep the lights on and communities safe.

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